



JOLIET JUNIOR COLLEGE

Bulletin

1950-1951

JOLIET, ILLINOIS



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JOLIET JUNIOR COLLEGE *Bulletin*

Published by
BOARD OF EDUCATION
Joliet Township High School and Junior College

"We can look upon the junior college movement which is now spreading throughout the United States as the most wholesome and significant occurrence in American education in the present century."

RAY LYMAN WILBUR
President, Stanford University

JOLIET, ILLINOIS
1950-1951



The primary concern of American education today is not the development of the appreciation of the "good life" in young gentlemen born to the purple. Our purpose is to cultivate in the largest number of our future citizens an appreciation both of the responsibilities and the benefits which come to them because they are American and free.

JAMES BRYANT CONANT

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	CATHERINE WOOD, Speech

1950-1951 CALENDAR

- August 31 — Sophomore Registration.
- September 1 — Freshman Registration.
- September 4 — Labor Day.
- September 7 — Classes Begin.
- September 25 — Will County Institute.
- October 3 — Evening School Opens.
- October 20 — I.E.A. Northeastern Division Meeting.
- November 11 — Armistice Day.
- November 23-24 — Thanksgiving Holiday.
- December 12 — First Term of Evening School Closes.
- December 20 — Junior College Christmas Recess Begins — 12:12
(through January 2, inclusive.)
- January 3 — Classes Resume.
- January 9 — Evening School Opens (Second Term.)
- January 8-12 — First Semester Final Examinations.
- January 12 — First Semester Closes.
- January 17 — Sophomore Registration — 8:00 a.m.
Freshman Registration — 1:00 p.m.
- January 19 — Regular Classes Begin.
- February 12 — Lincoln's Birthday Holiday.
- February 22 — Washington's Birthday Holiday.
- March 2 — Evening School Closes.
- March 23-30 (incl.) — Spring Vacation.
- May 25-29 — Final Examinations.
- May 30 — Memorial Day Holiday.
- May 31 — Final examinations.
- June 1 — Final Examinations.
- June 3 — Baccalaureate Sermon — 8:00 p.m.
- June 6 — Commencement — 8:00 p.m.

WHY WE HAVE JUNIOR COLLEGES

The rapid expansion of junior colleges since the opening of the twentieth century has been little short of phenomenal. The junior college is a logical step in our ladder of educational attainment in America. Primarily it grew out of the thought that local school districts might do well to offer some training of a vocational nature beyond the last year of high school for people who might use such training advantageously in the local community. Soon also the idea developed that many might be able to take at least two years of pre-professional training locally.

Under the leadership of J. Stanley Brown, superintendent of the Joliet Township High School, who was inspired and encouraged by his friend, Dr. William Rainey Harper, the first president of the University of Chicago, the oldest existing public junior college was organized at Joliet in 1901. For many the chief purpose of the two years of junior college at Joliet has been the completion of general cultural training. For many others it has been the only organized educational influence beyond high school.

If a student goes beyond junior college he finds that generally the last two years of college, or upper division, are integrated with the university. This plan has been adopted by most leading American universities.

The rapid expansion of terminal education in American junior colleges is evidenced by the fact that in 1948 over 47 per cent of all students attending junior colleges were enrolled in terminal courses. While many students attending junior college hope to secure a degree from some institution of higher learning, it is very evident that increasing numbers of students do not plan to go beyond the local school and so need training that prepares them adequately for the lives they will lead and the tasks they will perform.



ONE OF THE FINEST LIBRARIES IN THE MIDDLE WEST IS AVAILABLE AT THE COLLEGE

JOLIET JUNIOR COLLEGE

Joliet Junior College is accredited by the North Central Association of Colleges and Secondary Schools, by the State Superintendent of Public Instruction for Illinois, and by the University of Illinois.

Since its inception the Joliet Junior College has steadily expanded in the educational services offered. Today there are curriculums designed to meet the demands and the needs of the following groups:

1. Students who wish to continue their education at a college or university after two years of liberal arts or pre-professional training in junior college.
2. Students who wish to explore college courses as a means of making more intelligent vocational and educational choices.
3. Students who want a two-year course which is complete in itself.
4. Students whose economic position would make higher education otherwise impossible.
5. Persons who wish a general education for cultural development.
6. Persons who would profit by part-time education as needs and interests arise.

The above functions may be classified conveniently under four headings: preparatory, terminal, guidance, and extra-mural. Curriculums designed to serve the preparatory function parallel the work of the first two years at the University of Illinois. Students planning to enter other four-year colleges and universities are urged to study the offerings of those schools in the first two years in order to eliminate the possibility of loss of credit in transfer. Two-year semi-professional courses in the secretarial field, vocational field, in business, merchandising, and in homemaking have been designed to satisfy the terminal function of the junior college.

The guidance and counseling of students is an important function of both counselors and faculty members. The Dean and the Assistant Dean of the College meet all students in orientation classes and are available for individual counseling. Small classes make it possible for faculty members to know and to counsel their students, a service not always available in the four year college or university.

A general course during the regular school day and a program of adult education in the evening have been designed to promote greater social and civic intelligence in the community. Faculty members of the Joliet Junior College, trained leaders in the community, and instructors from the colleges and universities offering extramural courses share in presenting the adult program.



A CO-ED GYM CLASS — JOLIET JUNIOR COLLEGE OFFERS A GREAT VARIETY OF SOCIAL ACTIVITIES

STUDENT ACTIVITIES

Student activities constitute an important part of the educational experience of those attending Joliet Junior College. Every student is urged to participate in the activity program for the training it affords in developing a capacity for leadership and in learning to work with others.

ATHLETICS

Joliet Junior College is a member of the Illinois Junior College Conference, composed of most of the junior colleges in the state. Joliet is represented in conference competition in football, basketball, tennis, golf, swimming, and baseball. For the college men unable to participate in varsity competition there is an intramural program.

CLUBS

A number of clubs are open to students of the college. At present the following are active: the Joliet Mineralogists, the Engineers' Club, Students of Medical Science, the Future Distributors of America, and the Women's Athletic Association.

MUSIC AND DRAMATICS

The college band, choir, the Joliet Junior College Little Symphony, and the College Chorale offer outlets to those interested in music. The Junior College Players open to all students is responsible for the dramatic productions of the school.

STUDENT COUNCIL

Students share in the government of the school under the supervision of the administration. The Student Council sponsors the college activities and makes recommendations on school matters to the Dean.

PUBLICATIONS

Students may enroll in journalism and share in the production of THE BLAZER, the school paper.

SCHOLARSHIPS AND AIDS FOR STUDENTS

BOARD OF EDUCATION SCHOLARSHIPS

1. Each year at the commencement exercises of the Joliet Township High School, the Board of Education awards scholarships to the graduating boy and girl living outside Joliet Township, who have made the highest averages among such boys and girls respectively, over the four-year period in high school. Preference is usually given to pupils who have spent the entire four years in the Joliet Township High School. Recipients are entitled to attend the Joliet Junior College without payment of tuition.

2. The Board of Education grants a scholarship each year to the valedictorian of each of the four-year secondary schools in Will County, Illinois. Each award covers the cost of tuition at the Joliet Junior College.

WORK SCHOLARSHIPS

Work scholarships are awarded to students on the basis of need, scholastic ability, character, and qualifications to perform the services sought by the school. Three types are offered:

1. Non-Resident Full Tuition Work Scholarships.
2. Non-Resident Half Tuition Work Scholarships.
3. Resident Work Scholarships.

Those receiving these awards are assigned to work in offices, laboratories, or in one of the libraries. Application for work scholarships should be made to the Dean of the College.

OTHER SCHOLARSHIPS

A number of other scholarships are made available from time to time to students in the Joliet Junior College by interested groups of the community. The following organizations have awarded \$50 or \$100 scholarships to worthy students for the year 1949-1950:

American Legion Auxiliary
Business and Professional Women's Club
Gerlach-Barklow Company
Holly Club
Joliet Women's Club
Lions Club
Kiwanis Club
Rotary Club
Sojourners of Truth
Women of Rotary

BERTHA E. DENNING MEMORIAL FUND

A fund, in memory of Miss Bertha E. Denning, former Dean of Girls, is available in short term loans to students of Joliet Junior College for the payment of fees and tuition and other expenses incidental to their work in Joliet Junior College. Applications for loans from this fund should be made to the Dean of the Junior College.

SCHOLARSHIPS AND LOANS TO GRADUATES OF JOLIET JUNIOR COLLEGE

ROTARY SCHOLARSHIP

The Rotary Scholarship, established in 1926, is awarded each even numbered year to a young man graduated by the Joliet Junior College to enable him to complete his education at the college or university of his choice. This award entitles the recipient to \$250.00 a year for each two years, or a total of \$500.00. The requirements are (1) excellence

in scholarship, (2) activity in the life of Joliet Junior College, (3) character, (4) promise of success, (5) financial need, (6) residence in Joliet Township, and (7) approval by the Rotary Club of Joliet. Recommendations for this scholarship are made by the scholarship committee of the school.

THEODORE ROBERT GERLACH MEMORIAL SCHOLARSHIP

This scholarship, established in memory of Theodore Robert Gerlach, president and co-founder of Gerlach-Barklow Company, by his friends, is awarded to a young man or woman graduated by the Joliet Junior College in the odd-numbered years. This award entitles the recipient to \$250.00 a year for each of two years, or a total of \$500.00, to be used to complete his college or university education. To qualify for this award the recipient must be outstanding in the life and activities of the school, give promise of success in college and of becoming a useful citizen, and be in need of financial assistance to continue his schooling.

JOLIET JUNIOR COLLEGE LOAN FUND

This fund, amounting to approximately \$40,000, is available on long term loans to graduates of Joliet Junior College to enable them to continue their education at the college or university of their choice. The fund is administered by the Board of Directors of the Joliet Junior College Loan Fund Association. No student may borrow more than \$400.00 in any one year. No interest is charged while the borrower is in school but interest at 5% per annum begins when the student leaves school or graduates. Applications for loans should be made as soon as the applicant knows he may need a loan. Application blanks may be obtained from the Secretary of the Association or from the Dean of the College.

GRANTS-IN-AID

The Junior College Loan Association is now using the interest from the Tomlinson Educational Fund to make grants in aid to students whose need may come to the attention of the faculty or administration.

AWARDS

ROBERT M. ADAM AWARDS

The Robert M. Adam Awards consisting of gold keys are given during Commencement week to the man and woman in each class who have made the highest semester averages for the year. To be eligible students must carry twelve or more semester hours of work exclusive of physical training each semester. A student may win the award only once.



STUDENTS HAVE AMPLE OPPORTUNITY FOR PARTICIPATING IN WHOLESOME REFRESHMENTS, GROUP DISCUSSIONS, AND EMERGENCY CRAMMING AT ANY HOUR OF THE DAY AT THE SNACK BAR IN THE CAFETERIA

GENERAL INFORMATION

REGISTRATION

Classwork for the fall semester of the Junior College opens regularly on the Wednesday following Labor Day. Students unable to register in June should register the last week in August. Registration for the second semester for new students will take place during the second week in January.

Registration will be considered tentative until (a) all fees have been paid, (b) high school credits have been received and approved, (c) psychological tests have been taken, (d) a physical examination has been taken.

LATE REGISTRATION

Students who do not complete registration and program planning on the days set up for them are required to pay a late registration fee of \$2.00.

Students who are permitted to enter after the first week of the semester will be required to pay for tutoring in all work missed at the rate of seventy-five cents per class assignment. The tutoring fee must be paid in the Business Office before entering classes.

TUITION

Non-residents of Joliet Township who enroll for eleven or more semester hours of work are required to pay a tuition charge of \$150.00 per semester. Non-resident students who enroll for less than eleven semester hours are required to pay at the rate of \$12.00 per semester hour.

If a non-resident student carrying eleven or more hours withdraws from school before the end of the semester, a charge of \$7.50 for each week of attendance will be made.

TUTORING

With the approval of the Dean of the College and the Head of the Department concerned, a student may earn credit by tutoring. Credit will be entered on the permanent record under the heading "Earned by Tutoring."

A tuition charge equivalent to the regular summer school tuition will be made for all tutoring during the summer term. During the regular school year, the tuition charge equivalent to the regular evening school rate will be made. Tutoring fees for paying the instructor will be figured on the same basis as are fees for tutoring late entrants in the regular school year.

LABORATORY FEES

The fees and deposits for the laboratory courses in science are somewhat lower than those charged by most colleges and state universities.

Laboratory deposits are to cover breakage of apparatus. That amount not used to cover breakage will be returned at the end of the semester

or when the pupil leaves college. Laboratory fees are to cover materials used and are not returnable unless the student withdraws during the first two weeks of the semester.

Refunds on deposits may be obtained from the Business Office at the end of each semester.

FEES AND DEPOSITS

Fees and deposits are payable at the time of enrollment each semester as follows:

Subject	Fees	Deposits
Art 1a and 1b	\$2.50	\$
Astronomy	1.00	
Botany, 1, 2	2.50	2.00
Cap and Gown	1.65	
Chemistry 1	5.25	2.00
Chemistry 2	4.00	2.00
Chemistry 3, 5	5.25	3.00
Chemistry, 4, 6, 7	4.00	3.00
English Outlines (each)	.50	
General Engineering Drawing 1	1.00	1.00
General Engineering Drawing 2	1.00	1.00
Geography	.50	
Geology 1, 2	2.00	2.00
Geology 3	.150	1.50
Machine Shop	2.50	2.00
Orientation	.50	
Padlock	.25	1.00
Pattern Making	2.00	2.00
Physics, 1, 2	2.50	2.00
Physiology and Hygiene.....	1.00	
Psychology	.50	
Soc. Science Outlines (each)	.25	
Student Activity	7.50	
Surveying 1, 2	2.50	2.00
Zoology 1, 2	4.00	2.00

STUDENT ACTIVITY FEE

A fee of \$7.50 per semester is charged each student and entitles him to admission to all college sports events, the annual play, to all social and cultural activities as may be properly sponsored by the college, and to a subscription to THE BLAZER, the authorized college paper.

PAYMENT OF FEES

Students who have not paid or made satisfactory arrangements to pay their tuition and all fees and deposits during the first week of the semester will be dropped from class on Monday of the second week.

RECOMMENDED LOAD

A normal schedule for students devoting their time to school work is 15 or 16 semester hours, exclusive of physical education. Part time students will be assigned work in accordance with the time they can devote to

school duties. No additional outside work should be undertaken without the consent of the Dean. *Students taking a full schedule should not undertake any outside work of any kind during their first semester in college.*

REQUIREMENTS FOR ADMISSION

To be admitted to Joliet Junior College, an applicant must be a graduate of an accredited secondary school. *Entrance requirements for all pre-professional curriculums* are intended to be identical with those of the University of Illinois. *Entrance requirements for terminal curriculums* vary according to the table on Page 19.

FIFTEEN UNITS REQUIRED

Fifteen units of acceptable secondary school work are required, including the following:

I. Two majors and one minor, selected from Groups 1-5 below. One of the majors must be English. (See definitions of Unit, Major, and Minor below.)

II. A total of at least nine units from the fields of English, foreign language, mathematics, science, and social studies, including preparation amounting to a major or minor sequence in at least three different fields. (See Groups 1-5 below.)

III. All subjects prescribed for the curriculum which the applicant desires to enter.

IV. The six remaining units necessary for admission may be selected from any of the high school subjects which are accepted by an accredited school toward its diploma and which meet the standards for accrediting as defined by the University of Illinois. Fractional credits of the value of less than one-half unit will not be accepted. Not less than one unit of work will be accepted in a foreign language, elementary algebra, plane geometry, physics, chemistry, or biology.

Note: *High school graduates who rank in the upper half of their class.* The Dean will admit, without adhering to the usual requirements as they pertain to majors and minors, an applicant whose rank in scholarship is in the upper fifty per cent of his graduating class. Such a student, however, must present those specific high school courses that are prerequisite to courses in the curriculum which he desires to follow in the college.

DEFINITIONS

UNIT. A unit course of study in the secondary school is a course covering an academic year and including not less than the equivalent of 120 sixty-minute hours of classroom work. Two hours of work requiring little or no preparation outside the class are considered as equivalent to one hour of prepared classroom work.

MAJOR. A major consists of three unit courses in one field. (See special requirements for a major in each of the various fields as stated below.)

MINOR. A minor consists of two unit courses in one field. (See special requirements for a minor in each of the various fields as stated below.)

MAJORS AND MINORS

The required majors and minors defined above may be selected from the following five groups:

- (1) **ENGLISH.** (In all cases one major must be in English.) Only courses in history and appreciation of literature, composition (including oral composition when given as a part of a basic English course, and grammar will count toward a major.
- (2) **FOREIGN LANGUAGE.** Three units in one language constitute a major. Two units in one language constitute a minor.
- (3) **MATHEMATICS.** Only courses in algebra, plane geometry, solid and spherical geometry, and trigonometry will be accepted toward a major or minor in this subject. (General mathematics may be accepted in lieu of algebra and geometry in courses where the content of the course is essentially the same as that ordinarily included in algebra and geometry.
- (4) **SCIENCE.** (Including physics; chemistry; biology; or botany and zoology; general science, or physiology and physiography; astronomy; and geology.) The three units required for a major must include at least a total of two units chosen from one or more of the following subjects: *physics, chemistry, botany, and zoology.* *Biology* may be offered in place of botany and zoology. The two units required for a minor must include at least one unit from the above subjects.
- (5) **SOCIAL STUDIES.** (Including history, civics, economics, commercial or economic geography, and sociology.) The three units required for a major must include at least *two units in history.* The two units required for a minor must include at least one unit in history.

TRANSFERS OF CREDIT

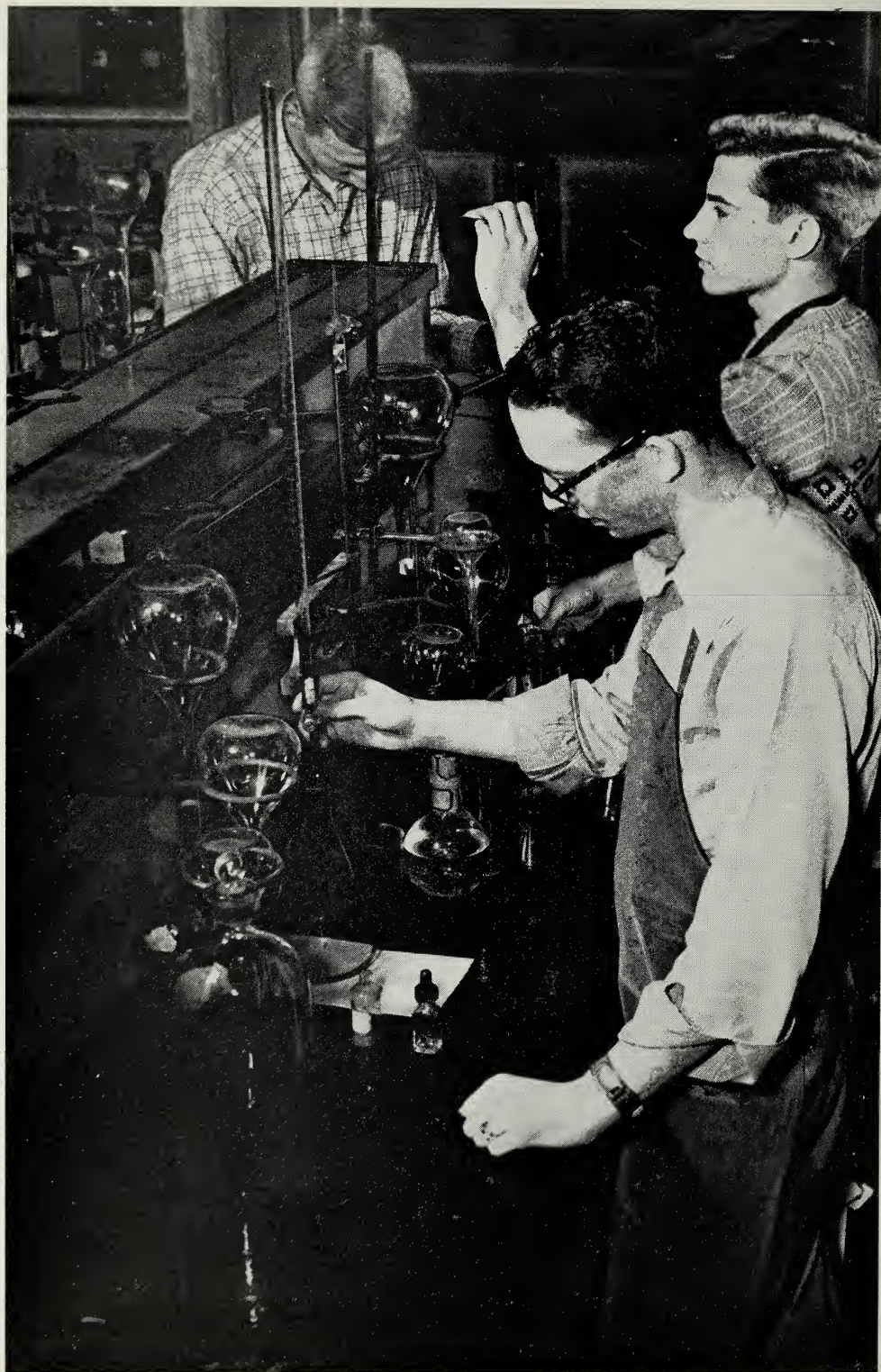
The Junior College was inspected and put on the accredited list by North Central Association of Colleges and Secondary Schools in 1917. Students who have satisfactorily completed courses in the Junior College are admitted without examination in the work completed by nearly all association members. Acceptance by this organization means, in general, acceptance anywhere in the United States, since no accrediting agency in the country has higher standards than the North Central.

The college is also accredited by the University of Illinois and by the Office of the Superintendent of Public Instruction.

Students often lose credit when they transfer to other schools because they were unable to decide upon any particular line of work or upon any particular institution during their junior college careers. Course requirements differ as greatly as institutional requirements; both should be known and planned for in advance or loss of credit may result.

REQUIRED AND RECOMMENDED SUBJECTS FOR ADMISSION TO THE VARIOUS JUNIOR COLLEGE CURRICULUMS

Curriculum	Subjects Required for Admission	Subjects Recommended for Admission
Pre-Agriculture	English, 3 units Algebra, 1 unit Geometry, 1 unit	Mathematics, 3 units, instead of required 2 units. Science, 2 units (including physics.) Vocational Agriculture, 2 or 3 units.
Two-Year Business Merchandising	English, 3 units	Mathematics, 2 units. Science, 2 units (including 1 unit with laboratory.)
Chemistry Chemical Engineering	English, 3 units Language, 2 units Algebra, 1½ units Geometry, 1 unit	Language, 4 units (including 2 units in French and 2 in German.) Mathematics, 3 units, instead of required 2½ units.) Science, 2 units (including Physics or Chemistry or both.)
Pre-Commerce	English, 3 units Algebra, 1 unit Geometry, 1 unit	Advanced Algebra, ½ unit. Science, 2 units (including 1 unit with laboratory)
Pre-Dental	English, 3 units Algebra, 1 unit Geometry, 1 unit	Mathematics, 3 units, instead of required 2 units. Science, 2 units (including Physics or Chemistry or both.)
Electrical and Civil Engineering	English, 3 units Algebra, 1½ units Plane Geometry, 1 unit Solid Geometry, ½ unit	Language, 2 units Science, 2 units (including Physics or Chemistry or both.) Industrial Arts, 2 units.
General	English, 3 units	Language, 2 units in one language. Science, 2 units (including Biology.)
Home Economics	English, 3 units Algebra, 1 unit Geometry, 1 unit	Mathematics, 3 units, (instead of the required 2 units.) Science, 2 units (including Physics or Chemistry or both.)
Home Economics — Secretarial	English, 3 units	Home Economics, 1 unit. Social Studies, 2 units.
Liberal Arts and Sciences Pre-Education Pre-Journalism Pre-Legal	English, 3 units Language, 2 units (not required if student ranks in upper 50% of class.)	Language, 3 units in one language. Science, 2 units (including Biology.)
Pre-Medical	English, 3 units Algebra, 1 unit Geometry, 1 unit Language, 2 units (not required if student ranks in upper 50% of class.)	Mathematics, 3 units, instead of the required 2 units. Science, 2 units (including Physics or Chemistry or both.)
Music	English, 3 units Language, 2 units Music (individual examination required)	Music, 1 unit, and additional private study for two years. Science, 1 unit (with laboratory.)
Pre-Nursing	English, 4 units Language, 2 units (not required if student ranks in upper 50% of class.)	Science, 3 units (including Chemistry and Biology.)
Pre-Physical Education	English, 3 units	Science, 3 units (including Biology.) Health and Safety Education, and participation in school programs of physical education and athletics.
Secretarial — One Year	English, 3 units	Same as Two-Year Business.
Trade-Industrial	English, 3 units	



STUDENTS ARE AFFORDED EVERY OPPORTUNITY
TIME AND EFFORT ON THE PART OF THE STUDENT ARE THE SECRETS OF SUCCESS

NOTES

(1) **ENGLISH.** Only courses in the history or appreciation of literature, and in composition (including oral composition when given as a part of a basic English course), and grammar, will count toward the three units in English required as a major for admission to all pre-professional curriculums. Four units in English, while not required by any curriculum except Pre-Nursing, are recommended for all pre-professional curriculums.

(2) **LANGUAGE.** The foreign language requirement for admission to any curriculum is fulfilled by two units in any one of the following: German, French, Spanish, Italian, Latin, Greek. For some curriculums three units in one language are recommended, and for some it is advantageous to have four units in one language or a combination of languages. Less than one unit in a language is not acceptable for admission.

(3) **MATHEMATICS.** In Engineering, where advanced algebra or solid geometry, or both, are required, students who have only one unit in algebra and one unit in geometry, and who meet all other entrance requirements, may be admitted on condition that the deficiency be removed during their first years. Where one unit in algebra and one unit in geometry are required for admission, general mathematics will be accepted if the content of the course is essentially the same as that ordinarily included in algebra and plane geometry. For all curriculums involving chemistry (to which one unit in physics or chemistry or $2\frac{1}{2}$ units in mathematics are prerequisite), students without credit in physics or chemistry who have only two units in mathematics will be required to take college algebra.

(4) **PRE-DENTAL, PRE-MEDICAL, AND PRE-VETERINARY REQUIREMENTS.** A student entering any of these curriculums as a freshman must have a scholarship rank in the upper half of his high school graduating class. A student transferring to these curriculums from another college or university must have a scholastic average in his collegiate work of 3.5 or better.

(5) **MUSIC EXAMINATION.** Each applicant for admission to the School of Music is required to take an individual examination in his major field for the purpose of demonstrating that he is qualified and has sufficient knowledge of music to enter courses in applied music.

REQUIREMENTS FOR GRADUATION

The Joliet Junior College Diploma will be awarded to students completing one of the two-year curriculums outlined below. Sixty semester hours work exclusive of physical education are required in all curriculums. Permission to deviate from these curriculums will be granted by the Dean in case other subjects more satisfactorily meet the individual objectives of the student.

PRE-AGRICULTURAL CURRICULUM

First Year

First Semester	HRS.	Second Semester	HRS.
English 1 — Rhetoric	3	English 2 — Rhetoric	3
Chemistry 1 — General Inorganic		Chemistry 2 — General Inorganic	
Chemistry	5	Chemistry	5
Zoology 1 — General Zoology	5	Botany 1 — General Botany	5
Mathematics 2 or 3	2-3	History 4 — History of the United	
Physical Education	1	States, 1865-1949	3
Orientation	1	Physical Education	1

Second Year

First Semester	HRS.	Second Semester	HRS.
Chemistry 3 — Qualitative		Chemistry 4 — Qualitative Analysis	4
Analysis	4	Chemistry 6 — Organic Chemistry	5
Physiology and Hygiene	5	Economics 4 — Principles of	
Economics 3 — Principles of		Economics	3
Economics	3	Sociology — Introduction to	
Political Science 1 — American		Sociology	3
National Government	3	Physical Education	1
Physical Education	1	Electives:	
Electives:		Art, Business Law, Literature,	
Art, Business Law, Literature,		German, Geography, Geology,	
German, Geography, Geology,		Psychology	
Psychology			

TWO-YEAR BUSINESS CURRICULUM

First Year

First Semester	HRS.	Second Semester	HRS.
English 1 — Rhetoric	3	English 2 — Rhetoric	3
Mathematics 1 — Business		Speech 1 — Principles of Speech..	3
Mathematics	3	Economics 2 — Introduction to	
Typewriting 1	3	Business	3
Physical Education	1	Typewriting 2	3
Orientation	1	Physical Education	1
Electives	5-6	Electives	3-4
Economics, Geography,		Science, Mathematics, Language,	
Mathematics, Language,		Stenography 2	
Stenography 1			

Second Year

First Semester	HRS.	Second Semester	HRS.
Economics 3 — Principles of Economics	3	Accountancy 2 — Elementary Accountancy	3
English 8 — Business Letter Writing	2	English 9 — Business Letter Writing	2
Accountancy 1 — Elementary Accountancy	3	Office Practice 2	3
Office Practice 1	3	Business Law 2	3
Business Law 1	3	Physical Education	1
Physical Education	1	Electives	3-5
Electives	3	English Literature, Language, Stenography 4, Psychology 3 — Applied Psychology	
English Literature, Language, Stenography 3, Economics 4, Social Science 1			

NOTE: This curriculum is designed for those students who do not expect to enroll in a senior college. However, most senior colleges will give full credit for all required courses except stenography and office practice.

CHEMISTRY AND CHEMICAL ENGINEERING CURRICULUM

First Year

First Semester	HRS.	Second Semester	HRS.
Chemistry 3 — Qualitative Analysis	4	Chemistry 4 — Qualitative Analysis	4
Mathematics 3 — College Algebra	3	Mathematics 4 — Analytical Geometry	5
Mathematics 2 — Plane Trigonometry	2	Language — German	4
Language — German	4	English 2 — Rhetoric	3
English 1 — Rhetoric	3	Physical Education	1
Physical Education	1		
Orientation	1		

Second Year

First Semester	HRS.	Second Semester	HRS.
Chemistry 5 — Quantitative Analysis	5	Chemistry 6 — Organic Chemistry.	5
Mathematics 5 — Differential Calculus	5	Mathematics 6 — Integral Calculus	3
Physics 1 — Mechanics, Molecular Physics and Heat	5	Physics 2 — Electricity, Sound and Light	5
Physical Education	1	Mechanics — Analytical Mechanics	5
		Physical Education	1

ELECTIVES: Chemistry courses should not be chosen as electives. Suggested courses for electives are Zoology 1, Botany 1, Geology 1 and 2, English History, and French. Mechanics 1 may be omitted by students taking the Chemistry Curriculum. Students taking Chemical Engineering should elect one semester of General Engineering Drawing.

PRE-COMMERCE CURRICULUM

First Year

First Semester	HRS.	Second Semester	HRS.
English 1 — Rhetoric	3	English 2 — Rhetoric	3
Geography 4 — Introductory Economic Geography	3	Economics 2 — Introduction to Business	3
Accountancy 1 — Elementary Accountancy	3	Accountancy 2 — Elementary Accountancy	3
Science and/or Mathematics 3	3-5	Science and/or Mathematics 3	3-5
Orientation	1	Physical Education	1
Physical Education	1		

Second Year

First Semester	HRS.	Second Semester	HRS.
Economics 3 — Principles of Economics	3	Economics 4 — Principles of Economics	3
Accountancy 3 — Cost Accounting	3	Economics 5 — Elements of Statistics	3
Language or Literature	4	Accountancy 4 — Advanced Accounting	3
English 11 — Business Letter Writing	2	Language or Literature	4
or Speech 1 — Principles of Speech	3	Speech 1 — Principles of Speech	3
Physical Education	1	or English 11 — Business Letter Writing	2
Electives	3	Physical Education	1
History, Political Science, Business Law			

All first-year students must elect Mathematics 3. They must elect sufficient courses in mathematics (including Mathematics 3) or science to amount to a total of 10 hours for the year. These courses may be taken from the following subjects: Astronomy, Chemistry, Geography (except Geography 4), Geology, Mathematics, Physics, Physiology, Zoology.

PRE-DENTAL CURRICULUM

(See Pre-Medical Curriculum)

Quantitative Analysis and Language may be omitted from this curriculum. A grade point average of 3.5 is required for entrance to dental schools.

PRE-EDUCATION CURRICULUM

(Teacher Training Curriculum)

First Year

First Semester	HRS.	Second Semester	HRS.
English 1 — Rhetoric	3	English 2 — Rhetoric	3
History 5 — History of Civilization 4		History 6 — History of Civilization 4	
Education 1 — Introduction to Education	3	Psychology 1 — General Psychology 4	
Art 1a — Art and Design	2	Art 2b — Art Appreciation	2
Zoology 1 — General Zoology	5	Botany 1 — General Botany	5
Orientation	1	Physical Education	1
Physical Education	1		

Second Year

First Semester	HRS.	Second Semester	HRS.
Geography 4 — Introduction to Economic Geography	3	Geography 1 — North America . .	3
Political Science 1 — American National Government	3	History 4 — History of United States, 1865 to 1949	3
Economics 3 — Principles of Economics	3	Physiology and Hygiene	5
Music 1a — Music Appreciation . .	2	English 6 — English Literature . . .	4
English 5 — English Literature . . .	4	Sociology — Introduction to Sociology	3
Physical Education	1	Physical Education	1

The above curriculum articulates well with the curriculums offered by our State teachers' colleges.

ELECTRICAL ENGINEERING CURRICULUM

First Year

First Semester	HRS.	Second Semester	HRS.
Chemistry 1 — General Inorganic Chemistry	5	Chemistry 2 — General Inorganic Chemistry	5
General Engineering Drawing 1 — Drafting	4	General Engineering Drawing 2 — Descriptive Geometry	4
Mathematics 3 — College Algebra .	3	Mathematics 4 — Analytical Geometry	5
Mathematics 2 — Trigonometry . .	2	English 2 — Rhetoric	3
English 1 — Rhetoric	3	Physical Education	1
Physical Education	1		
Orientation	1		

Second Year

First Semester	HRS.	Second Semester	HRS.
Speech 1 — Principles of Speech .	3	Electrodynamics 1 — Electrodynamics	3
Mathematics 5 — Differential Calculus	5	Mathematics 6 — Integral Calculus	3
Engineering Shop 1 — Pattern Work	3	Engineering Shop 2 — Machine Shop	3
Physics 1 — Mechanics, Molecular Physics and Heat	5	Physics 2 — Electricity, Sound and Light	5
Physical Education	1	Mechanics 1 — Analytical Mechanics	5
Approved Electives: Economics, Political Science, Surveying		Physical Education	1
		Approved Electives: Economics, Political Science, Surveying	



TRAINING IN BASIC SCIENCES AT JOLIET JUNIOR COLLEGE IS NOTED FOR ITS EXCELLENCE

CIVIL ENGINEERING CURRICULUM

First Year

(See First Year in Electrical Engineering)

Second Year

First Semester	HRS.	Second Semester	HRS.
Speech 1 or Economics	3	Surveying 2 — Higher Surveying . .	3
Surveying 1 — Plane Surveying . .	3	Mathematics 6 — Integral Calculus	3
Mathematics 5 — Differential Calculus	5	Physics 2 — Electricity, Sound and Light	5
Physics 1 — Mechanics, Molecular Physics and Heat	5	Mechanics 1 — Analytical Mechanics	5
Physical Education	1	Physical Education	1
Approved Electives: Economics, Political Science		Approved Electives: Economics, Political Science	

The work of the first two years in the curriculums for Architectural, Mechanical, Railway, Electrical, and General Engineering is almost identical with that of the Electrical Engineering Curriculum outlined above.

TWO-YEAR GENERAL CURRICULUM

First Year

First Semester	HRS.	Second Semester	HRS.
English 1 — Rhetoric	3	English 2 — Rhetoric	3
Physiology and Hygiene	5	Physical Education	1
Orientation	1	Approved Electives	
Physical Education	1		
Approved Electives			

Second Year

First Semester	HRS.	Second Semester	HRS.
Physical Education	1	Physical Education	1
Approved Electives	15-16	Approved Electives	15-16

NOTE: This curriculum is designed to meet the needs of those students who do not plan to continue work in a senior college or to enter a pre-professional course, but who do wish to continue their formal education in the fields of general culture. To qualify for graduation from the Junior College, the student should choose his electives so as to include a minimum of 12 hours of science, including physiology and hygiene, and 12 hours of social sciences, including sociology.

PRE-PROFESSIONAL HOME ECONOMICS CURRICULUM

First Year

First Semester	HRS.	Second Semester	HRS.
English 1 — Rhetoric	3	English 2 — Rhetoric	3
Home Economics 1 — Introduction to Home Economics	1	Chemistry 8 — Elementary Organic Chemistry	3
Home Economics 2 — Textiles and Clothing (Selection and Care)	3	History 4 — History of United States, 1865 to 1949	3
Chemistry 1 — General Inorganic Chemistry	5	Art 1b — Art and Design	2
Art 1a — Art and Design	2	Home Economics 9 — Home Furnishings	3
Orientation	1	Home Economics 5 — Social Arts	2
Physical Education	1	Physical Education	1

Second Year

First Semester	HRS.	Second Semester	HRS.
Speech 1 — Principles of Speech	3	Physiology and Hygiene	5
Economics 3 — Principles of Economics	3	Sociology — Introduction to Sociology	3
Home Economics 3 — Foods and Nutrition	2	Home Economics 4 — Food and Nutrition	2
Political Science 1 — American National Government	3	English 6 — English Literature	4
English 5 — English Literature	4	Physical Education	1
Physical Education	1	Electives	2

HOME ECONOMICS — SECRETARIAL CURRICULUM

First Year

First Semester	HRS.	Second Semester	HRS.
English 1 — Rhetoric	3	English 2 — Rhetoric, or English 11 — Business Letter Writing 3 or 2	3
Home Economics 1 — Introduction to Home Economics	1	Sociology — Introduction to Sociology	3
Home Economics 2 — Textiles and Clothing (Selection and Care)	3	Typewriting 2 — Advanced Typewriting	3
Social Science 1	4	Home Economics 5 — Social Arts	2
Typewriting 1 — Beginning Typewriting	3	Home Economics 9 — Home Furnishings	3
Art 1a — Art and Design	2	Physical Education	1
Orientation	1		
Physical Education	1		

Second Year

First Semester	HRS.	Second Semester	HRS.
Psychology 1 — General Psychology	4	Office Practice 2	3
Office Practice 1	3	Home Economics 8 — Consumer Information	2
Home Economics 3 — Foods and Nutrition	2	Social Science 2	4
Home Economics 6 — Home Management	2	Stenography 2 — Beginning Dictation and Transcription	3
Stenography 1 — Beginning Shorthand	3	Physiology and Hygiene	5
Physical Education	1	Physical Education	1
Electives:		Electives:	
Child Care		Child Care	
Psychology 3 — Psychology in Use		Psychology 3 — Psychology in Use	

INDUSTRIAL TRAINING CURRICULUM

First Year

First Semester	HRS.	Second Semester	HRS.
English 1	3	English 2, Speech 1, or Business Letter Writing	2 or 3
Mathematics 1 — Business Mathematics as basis for Accounting and business operations	3	Business Law	3
Shop Work (Auto Mechanics, Printing, Machine Shop, Architectural Drawing)	9	Shop Work (Auto Mechanics, Printing, Machine Shop, Architectural Drawing)	9
Orientation	1	Electives:	
Electives:		Trigonometry, Algebra, Drafting	

Second Year

First Semester	HRS.	Second Semester	HRS.
Psychology 3	3	Economics 2	3
Social Science 1	4	Social Science 2	4
Shop Work (Auto Mechanics, Printing, Machine Shop, Architectural Drawing)	9	Shop Work (Auto Mechanics, Printing, Machine Shop, Architectural Drawing)	9
Electives:		Electives:	
Accountancy		Accountancy, Sociology	

PRE-JOURNALISM CURRICULUM

The following curriculum is geared to the curriculum of the Medill School of Journalism of Northwestern University and the University of Illinois School of Journalism.

First Year

First Semester	HRS.	Second Semester	HRS.
Political Science 1 — American National Government	3	Political Science 2 — American State and Local Government . .	3
English 1 — Rhetoric	3	English 2 — Rhetoric	3
Science (Laboratory)		Science (Laboratory)	
Biological	5	Biological	5
Social Science 1	3 or 4	Social Science 2	3 or 4
Journalism 1	2	Journalism 2	2
Physical Education	1	Physical Education	1
Orientation	1		

Second Year

First Semester	HRS.	Second Semester	HRS.
Physical Science	5	Physical Science	5
Economics 3 — Principles of Economics	3	Economics 4 — Principles of Economics	3
English 5 — English Literature . .	4	English 6 — English Literature . .	4
Psychology 1 — General Psychology	4	Sociology — Introduction to Sociology	3
Physical Education	1	Physical Education	1
Electives:		Electives:	

NOTE 1. Electives should be chosen in accordance with the degree requirements.

NOTE 2. The University of Illinois offers four curriculums: Editorial, Advertising, Publication Management, and Radio.

NOTE 3. Students may enter the journalism school by way of the Liberal Arts and Sciences Curriculum.

PRE-LEGAL CURRICULUM

First Year

First Semester		Second Semester	
	HRS.		HRS.
English 1 — Rhetoric	3	English 2 — Rhetoric	3
Language	4	Language	4
History 1 — English History	3	History 2 — English History	3
Mathematics or Science	3-5	Mathematics or Science	3-5
Accountancy 1 — Elementary		Accountancy 2 — Elementary	
Accountancy	3	Accountancy	3
Physical Education	1	Physical Education	1
Orientation	1		

Second Year

First Semester		Second Semester	
	HRS.		HRS.
Economics 3 — Principles of		Economics 4 — Principles of	
Economics	3	Economics	3
Political Science 1 — American		Economics 5 — Elementary	
National Government	3	Business Statistics	3
Speech 1 — Principles of Speech ..	3	Political Science 2 — American	
Physical Education	1	State and Local Government ...	3
Electives:		Physical Education	1
Science, Accountancy, Literature,		Electives:	
Language, Psychology,		Science, Accountancy, Literature,	
Mathematics, Debate.		Language, Sociology,	
		Mathematics, Speech 2	

Students intending to enter the law school of the University of Illinois should take ten hours of Mathematics and Physical Science (not less than five hours in either of the two will be counted).

If two years of Latin are not offered for entrance, Law Latin will be required at the University.

Students intending to enter the University of Chicago should omit Accountancy 2, 3, and 4. They should plan to have a reading knowledge of a modern language before entering upon the law course. Modern language credits must be validated at the University by continuing the subject for at least one quarter.

LIBERAL ARTS AND SCIENCES CURRICULUM

First Year

First Semester	HRS.	Second Semester	HRS.
English 1 — Rhetoric	3	English 2 — Rhetoric	3
Language	4	Language	4
History 5 — History of Civilization	4	History 6 — History of Civilization	4
Biological Science—(Botany, Zoology, or Physiology)	5	Biological Science—(Botany, Zoology, or Physiology)	5
Physical Education	1	Physical Education	1
Orientation	1	Elective: Mathematics 3 — College Algebra	
Elective: Algebra 3 or Mathematics 2 — Trigonometry			

Second Year

First Semester	HRS.	Second Semester	HRS.
English 5 — English Literature . . .	4	English 6 — English Literature . . .	4
Language	4	Language	4
Physical Science — (Chemistry, Geology, Geography, or Physics	3 or 5	Physical Science — (Chemistry, Geology, Geography, or Physics	3 or 5
Social Studies — Social Science 1 .	4	Social Studies — Social Science 2 .	4
or History 3 — History of the United States to 1865	3	or History 4 — History of the United States, 1865 to 1949 . . .	3
Physical Education	1	Physical Education	1
Electives: Political Science, Economics, Psychology, Speech, Art		Electives: Political Science, Economics, Science, Sociology, Art	

Students expecting to receive a Bachelor of Arts Degree should plan their electives to meet the group requirements of the senior college they wish to attend.

PRE-MEDICAL CURRICULUM

A student must rank in the upper half of his high school graduating class to be admitted to this curriculum. Advanced transfers must have earned at least a 3.5 average in college work to be eligible.

First Year

First Semester	HRS.	Second Semester	HRS.
English 1 — Rhetoric	3	English 2 — Rhetoric	3
Chemistry 3 — Qualitative Analysis	4	Chemistry 4 — Qualitative Analysis	4
Zoology 1 — General Zoology	5	Zoology 2 — Comparative Anatomy	5
Algebra 3 or Mathematics 3 — College Algebra	2 or 3	Mathematics 2 — Trigonometry . .	2
Physical Education	1	or Mathematics 3 — College Algebra .	3
Orientation	1	Physical Education	1
Electives		Electives	

Second Year

First Semester	HRS.	Second Semester	HRS.
Physics 1 — Mechanics, Molecular Physics and Heat	5	Physics 2 — Electricity, Sound and Light	5
Chemistry 5 — Quantitative Analysis	5	Chemistry 6 — Organic Chemistry 5 Physical Education	1
Physical Education	1	Electives	
Electives			

A reading knowledge of a modern foreign language is required by the medical schools. Hence students should take two years of French, German or Spanish in Junior College unless part of the requirement has been met in high school.

Trigonometry is a prerequisite to college Physics and should not be omitted from the work of the first year.

Medical schools require a grade point average of at least 3.75 for entrance.

ONE-YEAR MERCHANDISING CURRICULUM

First Semester	HRS.	Second Semester	HRS.
Speech 1 — Principles of Speech . 3 or English 1 — Rhetoric	3	Speech 2 — Principles of Speech . . 3 or English 2 — Rhetoric	3
Merchandising	5	Merchandising	5
Work Experience	5	Work Experience	5
Orientation	1	Electives:	
Electives:		Accountancy, Business Law, Economics 2, Art 1a, Typewriting	

TWO-YEAR MERCHANDISING CURRICULUM

First Year		Second Semester	
First Semester	HRS.	Second Semester	HRS.
Business Law 1 — Business Law . . 3 English 1 — Rhetoric	3	Business Law 2 — Business Law . . 3 English 2 — Rhetoric	3
Accountancy 1 — Elementary Accountancy	3	Accountancy 2 — Elementary Accountancy	3
Art 3a — Commercial Art	3	Advertising	2
Physical Education	1	Physical Education	1
Orientation	1	Electives	3
Electives	3		

Second Year

First Semester	HRS.	Second Semester	HRS.
Merchandising	4	Merchandising	4
Co-operative Work Experience ...	3	Co-operative Work Experience ...	3
Speech 1 — Principles of Speech..	3	Speech 2 — Principles of Speech .	3
Electives	4-5	Electives	4-5

SUGGESTED ELECTIVES: Psychology 1 — General Psychology; Psychology 3 — Psychology in Use; Economics 2 or 3-4; Economics 5 — Elementary Business Statistics; Typewriting 1 — Beginning Typewriting; English 8 — Business Letter Writing; English 9 — Business Letter Writing; Geography 2 or 4 — Economic Geography.

MUSIC CURRICULUM

Admission to this curriculum requires approval of the director of the college music department.

First Year

First Semester	HRS.	Second Semester	HRS.
Music 9a — Major Applied Instrument or Voice (Two ½-hour lessons per week	4	Music 9b — Major Applied Instrument or Voice (Two ½-hour lessons per week	4
Music 10a — Minor Applied Instrument or Voice	2	Music 10b — Minor Applied Instrument or Voice	2
Music 5 — Theory of Music (counterpoint, ear training, sight singing, etc.)	4	Music 6 — Theory of Music (counterpoint, ear training, sight singing, etc.)	4
English 1 — Rhetoric	3	English 2 — Rhetoric	3
Speech 1 — Principles of Speech ..	3	Physiology and Hygiene	5
Physical Education	1	Physical Education	1
Orientation	1		

Second Year

First Semester	HRS.	Second Semester	HRS.
Music 9c — Major Applied Instrument or Voice (wind in- strument only, 2 hours; one lesson per week)	4	Music 9d — Major Applied Instrument or Voice (wind in- strument only, 2 hours; one lesson per week)	4
Music 10c — Minor Applied Instrument or Voice	2	Music 10d — Minor Applied Instrument or Voice	2
Music 7 — Theory of Music	4	Music 8 — Theory of Music	4
Music 11 — History of Music	2	History 4 — History of the United States, 1865 to 1949... 3	3
Political Science 1 — American National Government, or Psychology 1 — General Psychology	4	Music 12 — History of Music	2
Physical Education	1	Physical Education	1

IMPORTANT. All music majors are required to play in the college band and sing with some college musical group. Participation in the Junior College Little Symphony is definitely encouraged.

PRE-NURSING CURRICULUM

First Year

First Semester	HRS.	Second Semester	HRS.
English 1 — Rhetoric	3	English 2 — Rhetoric	3
Chemistry 1 — General Inorganic Chemistry	5	Chemistry 2 — General Inorganic Chemistry	5
Social Science 1	4	Social Science 2	4
Mathematics 3 — College Algebra or Mathematics 2 — Trigonometry	3 or 2	Mathematics 3 — College Algebra or Mathematics 2 — Trigonometry	3 or 2
Orientation	1	Physical Education	1
Physical Education	1	Elective	2-4
Elective	2-4		

Second Year

First Semester	HRS.	Second Semester	HRS.
English 5 — English Literature ..	4	English 6 — English Literature ...	4
Psychology 1 — General Psychology	4	Sociology	3
Zoology 1 — General Zoology	5	Chemistry 6 — Organic Chemistry	5
Physics 1 — Mechanics, Molecular Physics and Heat	5	Zoology 2 — Comparative Anatomy of Vertebrates	5
		Physics 2 — Electricity, Sound and Light	5

One year of foreign language is recommended as an elective.

To qualify for a degree of Bachelor of Science in Nursing from the University of Illinois, one must complete the two-year pre-nursing curriculum outlined above. After having completed 60 semester hours of prescribed college work, the student must then enroll for professional education and clinical experience in nursing at one of the following affiliated schools: Cook County School of Nursing, Michael Reese Hospital School of Nursing, Presbyterian Hospital School of Nursing, or St. Luke's Hospital School of Nursing.

PRE-PHYSICAL EDUCATION CURRICULUM

First Year

First Semester	HRS.	Second Semester	HRS.
Education 1 — Introduction to Education	3	Speech 1 — Principles of Speech .	3
Language or Science	4 or 5	Language or Science	4 or 5
English 1 — Rhetoric	3	English 2 — Rhetoric	3
Zoology 1 — General Zoology	5	Botany 1 — General Botany	5
Orientation	1	Physical Education	1
Physical Education	1		

Second Year

First Semester	HRS.	Second Semester	HRS.
Chemistry 1 — General Inorganic		Chemistry 2 — General Inorganic	
Chemistry	5	Chemistry	5
English 5 — English Literature or		English 6 — English Literature or	
Language	4	Language	4
Political Science 1 — American		History 4 — History of the United	
National Government	3	States, 1865 to 1949	3
Physical Education	1	Physiology and Hygiene	5
Elective	2	Physical Education	1

ONE-YEAR SECRETARIAL TRAINING CURRICULUM

First Year

First Semester	HRS.	Second Semester	HRS.
Stenography 1 — Beginning		Stenography 2 — Beginning	
Shorthand	3	Dictation and Transcription . . .	3
Office Practice 1	3	Accountancy 2 — Elementary	
Accountancy 1 — Elementary		Accountancy	3
Accountancy	3	English 9 — Business Letter	
English 8 — Business Letter		Writing	2
Writing	2	Physical Education	1
Physical Education	1	Electives	5-8
Orientation	1	Speech 2 — Principles of Speech	
Electives	3-5	Economics 3 — Principles of	
Speech 1 — Principles of Speech		Economics	
Economics 2 — Introduction to		Business Law 2 — Business Law	
Business		Psychology 3 — Applied Psychology	
Business Law 1 — Business Law			
Mathematics			
Geography 2 or 4 — Economic			
Geography			

Second Year

NOTE 1. Stenography 3 and 4 may be substituted for Stenography 1 and 2 if one year of stenography was taken in high school. If this is done, Secretarial Office Practice 1 and 2 should be taken.

NOTE 2. This curriculum is designed to equip the student for vocational competency on the initial job.



THE "LISTENING POSTS" IN THE JUNIOR COLLEGE LIBRARY PROVE TO
BE POPULAR WITH ALL THE STUDENTS

DEPARTMENTAL COURSES

ART

ART 1a and 1b. **ART AND DESIGN.** For students in home economics and those interested in learning to draw and to paint. Gives the student an opportunity to experience many forms of artistic expression: drawing, painting, design, color, modeling, carving, lettering, and poster layout.

Open to freshmen and sophomores.

Four periods, twice a week for two semesters.

Credit: 2 hours per semester.

ART 2a and 2b. **ART HISTORY AND APPRECIATION.** An illustrated lecture course planned to give the student a comprehensive survey of the epochs in art with emphasis upon the factors leading to contemporary art. Covers painting, sculpture, and architecture down through the ages.

Open to freshmen and sophomores.

Twice a week for two semesters.

Credit: 2 hours per semester.

ART 3a and 3b. **COMMERCIAL ART.** Gives practical application of art to students in merchandising and others interested in the fundamentals of advertising and display art, silk screen, posters, layout, show card writing, and illustration. Emphasis on commercial uses.

Daily for two semesters. Open to freshmen and sophomores.

Credit: 3 hours per semester.

BUSINESS EDUCATION AND COMMERCE

ACCOUNTANCY

ACCOUNTANCY 1. **ELEMENTARY ACCOUNTANCY** — An introductory course to give the student a working knowledge of the various steps in the accounting process. Simple transactions, general ledger accounts, trial balances, financial statements, accounting for negotiable instruments, depreciation reserves, controlling accounts, and adjusting entries.

Prerequisite: None.

Credit: 3 hours. One semester.

ACCOUNTANCY 2. **ELEMENTARY ACCOUNTANCY** — Fundamentals of partnership and corporation accounting; relation of business documents to the accounts; business forms and records; analysis of financial statements.

Prerequisite: Accountancy 1.

Credit: 3 hours. One semester.

ACCOUNTANCY 3. **COST ACCOUNTING** — Accounting principles and practices with special reference to the problems of the factory. Departmental accounting, general accounting for the factory, process costs, job cost accounting.

Prerequisite: Accountancy 2 or two years of high school bookkeeping.

Credit: 3 hours. One semester.



MERCHANDISING, ONE OF THE NEWEST PROGRAMS, IS RAPIDLY GAINING IN POPULARITY

ACCOUNTANCY 4. Advanced accounting principles, working papers, closing the books, statements, partnership, corporation, compound interest tables, assets, liabilities, funds and reserves, comparative statements, analysis of working capital, and miscellaneous ratios.

Prerequisite: Accountancy 3.

Credit: 3 hours. One semester.

BUSINESS LETTER WRITING

See English 8-9 and 11

BUSINESS LAW

See Social Studies.

ECONOMICS

See Social Studies.

MERCHANDISING

MERCHANDISING 1-2. For students interested in retailing. Emphasis on the techniques of salesmanship, store organization, advertising, display, merchandising, finding and holding a job, etc.

Credit: 5 hours per semester.

MERCHANDISING 3-4. For advanced students in retailing.

Credit: 4 hours per semester.

WORK EXPERIENCE 1-2. A program of supervised on-the-job training required of all students in merchandising. One-half of school day spent in local stores.

Credit: 5 hours per semester.

WORK EXPERIENCE 3-4. For advanced students in retailing. Affords training opportunity for junior executives.

Credit: 3 hours per semester.

SECRETARIAL SCIENCE

OFFICE PRACTICE 1. Instruction in the operation of office machines, such as: the mimeograph, liquid and gelatin duplicators, addressograph, and others; in the fundamentals of filing; and in the use of postal, telegraph, telephone, railroad, banking and other business facilities is included in this course. Typing ability extended to include legal documents, specifications, and advanced tabulation. Required rate of speed, 45 words a minute.

Prerequisite: Typewriting 1 and 2.

Credit: 3 hours. One semester.

OFFICE PRACTICE 2. Advanced problems in machine production, practical work experience, and instruction in how to find a job and land it. A study of current office practices through supplementary reading,

lectures, and trips to business concerns. Emphasis on the development of employable personalities and on the understanding of and appreciation for the American way of doing business.

Prerequisite: Office Practice 1.

Credit: 3 hours. One semester.

STENOGRAPHY 1. BEGINNING SHORTHAND — A study of the principles involved in the writing of legible Gregg shorthand and the development of enough facility to take dictation at 40 words a minute. Emphasis on the mastery of brief forms.

Credit: 3 hours. One semester (if Stenography 2 is satisfactorily completed.)

STENOGRAPHY 2. BEGINNING DICTATION AND TRANSCRIPTION — A continuation of Stenography 1. Introduction to the transcription of shorthand notes on the typewriter. Transcription on the typewriter in a mailable form of dictation taken at sixty words a minute a requirement.

Prerequisite: Stenography 1.

Credit: 3 hours. One semester.

STENOGRAPHY 3. ADVANCED DICTATION AND TRANSCRIPTION — A course open to those who wish to develop the ability to take dictation and transcribe at a minimum rate necessary for vocational use. A review of grammar, sentence structure, punctuation, and spelling included. Mailable transcription of 80-word dictation required.

Prerequisite: Stenography 1 and 2.

Credit: 3 hours. One semester.

STENOGRAPHY 4. SPEED DICTATION AND TRANSCRIPTION — A course with special emphasis placed on the acquisition of a large shorthand vocabulary. Dictation of technical vocabularies, excerpts from court reporting, congressional records, and civil service material. Dictation from 100 to 120 words a minute transcribed in mailable form, at approximately two-thirds of typing copy rate, a requirement.

Prerequisite: Stenography 3.

Credit: 3 hours. One semester.

TYPEWRITING 1. BEGINNING TYPEWRITING — A course designed to acquaint the student with the keyboard, mechanical parts of the typewriter, and the proper technique of typewriting. Aim to develop typing ability, sufficient for personal use in preparing manuscripts or term papers, simple tabulation, and short letter writing.

Credit: 3 hours. One semester.

TYPEWRITING 2. ADVANCED TYPEWRITING — A course for those who wish to acquire knowledge and skill for the vocational use of typing. Skill applied to more advanced problems, such as: typing of different styles of business letters, copying from rough drafts, making carbons, addressing envelopes, typing invoices, telegrams, postal cards, etc. Required typing rate of 35 words a minute.

Prerequisite: Typewriting 1.

Credit: 3 hours. One semester.

EDUCATION

EDUCATION 1. INTRODUCTION TO EDUCATION — An elementary course designed to introduce students to current educational theories, general school practices as shown through educational literature, and sources of educational literature and philosophy, and to offer prospective teachers a comprehensive view of the opportunity and responsibility in the field of teaching.

Credit: 3 hours. One semester.

EDUCATION 2. EDUCATION TESTS AND MEASUREMENTS — An introductory course conducted on the laboratory plan. A brief survey of the testing movement followed by a study of approximately fifty representative tests with emphasis on the scoring, tabulation, and interpretation of results.

Prerequisite: Educational Psychology.

Credit: 3 hours. One semester.

ENGINEERING

ELECTRODYNAMICS 1. A study of fundamental concepts in electricity and magnetism with emphasis on vocabulary, units, basic relationships, visualization of quantities and the solution of problems. Methods of analysis and synthesis developed and applied to both electric and magnetic circuits.

Prerequisite: Registration in Math. 6 and Physics 2.

Credit: 3 hours. One semester.

G. E. D. 1. ELEMENTS OF DRAFTING — Lettering; orthographic projection; working drawings, charts and diagram drawing; isometric, oblique, and perspective projections; sketching; drawings and tracings and methods of their reproduction.

Prerequisite: Plane Geometry.

Credit: 4 hours. One semester.

G. E. D. 2. DESCRIPTIVE GEOMETRY — Theory of projections. Solution of theoretical and practical problems involving size, shape, and relative position of common geometrical magnitudes such as points, lines, planes, curved surfaces and solids. Intersections, developments, shades and shadows.

Prerequisite: G. E. D. 1 and Solid Geometry.

Credit: 4 hours. One semester.

MECHANICS. ANALYTICAL MECHANICS — The mechanics of engineering rather than that of astronomy and physics. Force systems; equilibrium; centroids and center of gravity; friction; kinematics; problems; statement of conditions and use of data.

Prerequisite: Math. 5; registration in Math. 6.

Credit: 5 hours. One semester.

SURVEYING 1. PLANE SURVEYING—The theory, use, and adjustment of the transit and level; the computation of areas and volumes; farm and city survey; elements of topographic surveying. Problems with the tape, transit and level.

Prerequisite: G. E. D. 1 and 2; Math. 2.

Credit: 3 hours. One semester.

SURVEYING 2. HIGHER SURVEYING—The theory and use of the transit and plane-table in making topographic surveys; methods; topographic surveying.

Prerequisite: Surveying 1; Physics 1 and registration in Physics 2.

Credit: 3 hours. One semester.

SLIDE-RULE—Theory and use of various types of slide-rule.

Prerequisite: Registration in Math. 2.

Credit: 1 hour. One semester.

ENGINEERING SHOP 1. PATTERN SHOP PRACTICE AND MANAGEMENT—Simple patterns, molded wholly in the dray, involving draft, shrinkage, finish, and green sand cores; horizontal and vertical dry cores, and split patterns; segmental patterns, and patterns molded in flasks of three or more parts; loose pieces, and methods of setting cores above or below the parting surface. Individual projects by students.

Credit: 3 hours. One semester.

ENGINEERING SHOP 2. MACHINE SHOP PRACTICE AND MANAGEMENT—A course designed to include both classroom and shop work. Emphasis in classroom on the mathematics and technology of machine shop practice, the accepted types of standard machine tools, the nature of the materials worked and of the tools which work them, and the place of machine shop practice in history and in modern industrial life. In the shop, emphasis is placed on the making of products with actual use value which embody the basic processes of machine shop practice, such as cylindrical and taper turning, thread cutting, gear cutting, rectilinear and angular work on shaper and planer, cylindrical and surface grinding, etc.

Credit: 3 hours. One semester.

ENGLISH

(English, Journalism and Speech)

ENGLISH

ENGLISH 1-2. RHETORIC—Required of all freshmen. A course providing training and practice in oral and written composition.

Credit: 3 hours per semester.

ENGLISH 3-4. AMERICAN LITERATURE—A study of American prose and poetry from Colonial times to the present.

Prerequisite: One year of college work desirable.

Credit: 2 hours per semester.

ENGLISH 5-6. SURVEY OF ENGLISH LITERATURE — A study of English prose and poetry from Beowulf to the present.

Prerequisite: One year of college work desirable.

Credit: 4 hours per semester.

ENGLISH 7. CONTEMPORARY LITERATURE — A study of contemporary drama, novel and poetry to enable students to form intelligent judgments of individual authors. Emphasis placed on literature since 1890.

Prerequisite: One year of college work.

Credit: 2 hours. One semester.

ENGLISH 8-9. BUSINESS LETTER WRITING — Correspondence, principles of business expression and psychological background. Practice in writing various types of letters and business reports. Study of current business letters, lectures and discussions.

Prerequisite: English 1-2.

Credit: 2 hours per semester.

ENGLISH 10. DEBATE — A course involving both the theory and practice of argumentation, debate, and oral English.

Credit: 2 hours. One semester.

ENGLISH 11. BUSINESS LETTER WRITING — A one semester course for pre-commerce students. Includes principles of business expression, psychological background, and practice in writing various types of letters and business reports.

Credit: 2 hours. One semester.

JOURNALISM

JOURNALISM 1. INTRODUCTION TO JOURNALISM — A brief study of the content, method and character of leading newspapers. Discussion on reporting, editing, feature writing, advertising, circulation and business management of the school paper.

Open to freshmen and sophomores.

Credit: 2 hours. One semester.

JOURNALISM 2. INTRODUCTION TO JOURNALISM — A continuation of the work begun in the first semester, some emphasis on mechanical processes.

Prerequisite: Journalism 1.

Credit: 2 hours. One semester.

SPEECH

SPEECH 1. PRINCIPLES OF SPEECH — Speech composition and presentation, with emphasis on the selection and organization of material, methods of securing interest and attention, and the elements of delivery; development of skill in interpreting the thoughts of other writers and sharing them with an audience; development of the ability to recognize the basic similarities and differences between the various fields of speech, public speaking, interpreting, and acting.

Credit: 3 hours. One semester.



THE HOME ECONOMICS AND HOME ECONOMICS-SECRETARIAL CURRICULUMS ARE MEETING THE NEEDS OF MANY YOUNG WOMEN AT JOLIET JUNIOR COLLEGE

SPEECH 2. PRINCIPLES OF SPEECH — A continuation of the work of Speech 1 with emphasis on speech construction.

Prerequisite: Speech 1.

Credit: 3 hours. One semester.

SPEECH 3. ORAL INTERPRETATION OF LITERATURE — Principles of interpretation, analysis, and oral reading of prose literature and verse.

Credit: 2 hours. One semester.

SPEECH 4. ELEMENTS OF BROADCASTING — General introduction to broadcasting; practice in preparing and producing radio programs of various types.

Credit: 3 hours. One semester.

HOME ECONOMICS

HOME ECONOMICS 1. INTRODUCTION TO HOME ECONOMICS—A course to orient freshmen whose major is home economics to the philosophy underlying home economics, the opportunities open to those trained in home economics, and the personal and professional requirements for these careers. Resource people and field trips utilized for firsthand contact with the opportunities.

Credit: 1 hour. One semester.

HOME ECONOMICS 2. TEXTILES AND CLOTHING — A study of fabrics, their fibers, construction, and uses with emphasis on consumer education aspects.

The construction of simple clothing utilizing the short cut methods of construction to produce professional looking garments with a minimum expenditure of time.

3 days per week; 4 periods.

Credit: 3 hours. One semester.

HOME ECONOMICS 3-4. BEGINNING FOODS — A course consisting of a study of nutrition related to health, the preparation and use of common foods, marketing for food, preserving foods for home use, planning, preparing, and serving meals, food and social usage.

Credit: 3 hours. One semester.

HOME ECONOMICS 5. SOCIAL ARTS — Study of the basic considerations in learning how to get along with others through an understanding of the elements of mental hygiene and of group dynamics. Also includes etiquette in social situations: introductions, correspondence, meals, teas, dances, receptions, weddings, travel, being a guest, being a host or hostess.

Open to men and women. 3 days per week; 2 periods.

Credit: 2 hours. One semester.

HOME ECONOMICS 6. THE HOUSE AND ITS FURNISHINGS — Study of considerations in planning and furnishing the home to meet family needs. A study of floor plans, the selection and arrangement of furniture, fabrics and window treatments, floor coverings, lamps, accessories, pictures, china, glass, and table settings. Semester's project: a plan for one room complete in every detail for a family whose needs have been outlined.

5 days per week; 2 periods.

Credit: 3 hours. One semester.

HOME ECONOMICS 7. CHILD DEVELOPMENT — A course designed for those who wish to gain an understanding of the modern philosophy of child development from the pre-natal period through early childhood. Opportunity to observe and work with children will be provided through the operation of a play school for several weeks.

Credit: 3 hours. One semester.

HOME ECONOMICS 8. CONSUMER INFORMATION — The one economic group to which all consumers belong is the consumer group — the users of goods and services for the satisfaction of needs. A course planned to help individuals learn how to use what they have in such a way as to give themselves and their present and future families comfort, peace of mind, and wholesome satisfactions. Students given experience of investigating and reporting on a local consumer problem.

Credit: 2 hours. One semester.

LANGUAGE

LANGUAGE 1-2. ELEMENTARY FRENCH — A course offered for those who have had no French, or but one year of high school French. Elementary grammar, pronunciation, reading of modern authors, composition, and conversation.

Credit: 8 hours. Two semesters.

LANGUAGE 3-4. ADVANCED FRENCH — Rapid reading of modern prose, poetry and drama; conversation, composition, and a study of syntax.

Prerequisite: Language 1-2 or equivalent.

Credit: 8 hours. Two semesters.

LANGUAGE 5-6. ELEMENTARY SPANISH — A course offered for those who have had no Spanish, or but one year of high school Spanish. Elementary grammar, pronunciation, reading of modern authors, composition, and conversation.

Credit: 8 hours. Two semesters.

LANGUAGE 7-8. ADVANCED SPANISH — Rapid reading of modern authors, magazines, and newspapers; grammar review; composition and conversation of topics of everyday life and customs in Spain and South America.

Prerequisite: Language 5-6 or equivalent.

Credit: 8 hours. Two semesters.

LANGUAGE 9-10. ELEMENTARY GERMAN — A course offered for those who have had no German or but one year of high school German. Elementary grammar, pronunciation, easy reading, and simple conversation.

Credit: 8 hours. Two semesters.

LANGUAGE 11-12. ADVANCED GERMAN — Composition, sight readings, and the reading of selections from standard prose writers. At the option of instructor, works of general scientific character read during second semester.

Prerequisite: Language 9-10 or equivalent.

Credit: 8 hours. Two semesters.

MATHEMATICS

MATH 0. ADVANCED ALGEBRA — A two-hour course in algebra for students with only one year of high school algebra. The equivalent of the third semester of high school algebra.

Prerequisite: Entrance algebra 1 unit; plane geometry 1 unit.

Credit: 2 hours. One semester.

MATHEMATICS 1. BUSINESS MATHEMATICS — A review of elementary arithmetic and a continuance into more advanced arithmetic, with their shop and business applications; that part of algebra which is most frequently and easily applied in practice; graphs; very elementary statistics.

Credit: 3 hours. One semester.

MATH. 2. TRIGONOMETRY — The elements of plane trigonometry and their application including logarithms.

Prerequisite: Entrance algebra $1\frac{1}{2}$ units; plane geometry 1 unit.

Credit: 2 hours. One semester.

MATH. 3. COLLEGE ALGEBRA — Advanced algebraic operations with application to practical problems.

Prerequisite: Entrance algebra $1\frac{1}{2}$ units; plane geometry 1 unit.

Credit: 3 hours. One semester.

MATH. 4. ANALYTIC GEOMETRY — Plane analytic geometry covered with a view to its practical application to engineering problems. Three weeks devoted to solid analytic geometry.

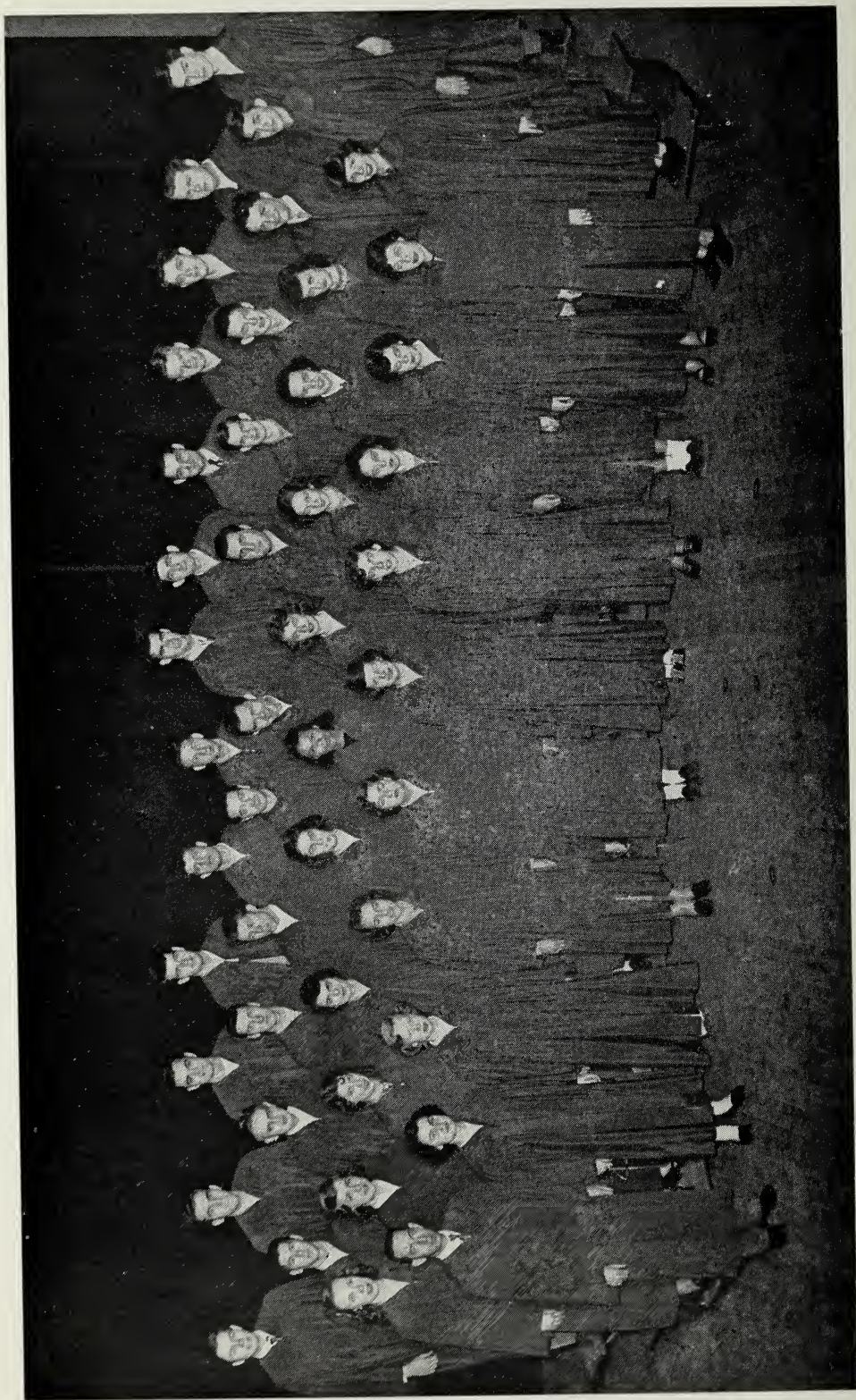
Prerequisite: Math. 2 and 3.

Credit: 5 hours. One semester.

MATH. 5 and 6. CALCULUS — The principles of calculus developed, applied to functions of one and of several variables.

Prerequisite: Math. 4.

Credit: 5 hours and 3 hours. Two semesters.



THE CONCERT CHOIR IS THE OLDEST MUSICAL ORGANIZATION AT THE JOLIET JUNIOR COLLEGE

MUSIC

MUSIC 1a-1b. AN EXPLORATION OF MUSIC LITERATURE — A survey of the art of music among the other fine arts and in the life of man.

Two hours per week.

Credit: 2 hours per semester.

MUSIC 2a-2b. JUNIOR COLLEGE CHORALE — A vocal group of eight men and eight women selected by the director of music for the performance of octavo literature ideally suited to smaller ensembles. Open to any student of the college.

Credit: 1 hour per semester.

MUSIC 3. COLLEGE CHOIR — Practical experience in mixed voice, unaccompanied singing of choral music of various periods and styles, in class and in public appearance. Non-music students tested as to vocal range and ability to sing intervals accurately and to hold a part while sight-singing; required course for all music majors. Entrance by examination by director. Three hours per week.

Credit: $\frac{1}{2}$ hour per semester.

MUSIC 4. COLLEGE BAND — Practical experience in performing the band repertoire both in class and in public. Non-music students given try-outs. Course required of all music major instrumentalists. Entrance by examination by director. Two hours per week.

Credit: $\frac{1}{2}$ hour per semester.

MUSIC 5. THEORY OF MUSIC — Harmony, counterpoint and ear training. A study of the basic principles involved in the art of musical composition, including fundamental relationship of tones, melodic and harmonic construction in two and three parts, using intervals and triads with inversions. Instruction is carried out by means of aural perception, dictation, sight-singing, work at the keyboard, improvisation, written assignment, historical examples, individual research problems, and the complete process of writing, preparing and bringing to performance with voices and instruments specific individual and group projects in musical composition. Five hours per week.

Credit: 4 hours. One semester.

MUSIC 6. THEORY OF MUSIC — Harmony, counterpoint and ear training. A study of the basic principles involved in the art of musical composition, including fundamental relationship of tones; melodic and harmonic construction in two and three parts, using intervals and triads with their inversions. Instruction is carried out by means of aural perception, dictation, sight-singing, work at the keyboard, improvisation, written assignments, historical examples, individual research problems, and the complete process of writing, preparing and bringing to performance with voices and instruments specific individual and group projects in musical composition. Five hours per week.

Prerequisite: Music 5.

Credit: 4 hours. One semester.

MUSIC 7. THEORY OF MUSIC — Harmony, counterpoint and ear training. Harmony and keyboard harmony. Five hours per week.

Prerequisite: Music 5 and 6.

Credit: 4 hours. One semester.

MUSIC 8. THEORY OF MUSIC — Harmony, counterpoint and ear training. Harmony and keyboard harmony. Five hours per week.

Prerequisite: Music 5, 6 and 7.

Credit: 4 hours. One semester.

MUSIC 9a-9b-9c-9d. MAJOR APPLIED INSTRUMENT OR VOICE — Instruction to be received extra-mural. Placement and grade by audition and examination. Periodic recital required.

Credit: 4 hours per semester.

MUSIC 10a-10b-10c-10d. MINOR APPLIED INSTRUMENT OR VOICE — Piano required of all students except those whose major applied instrument is piano in whose case the minor applied will be voice. One ½ hour lesson per week.

Credit: 2 hours per semester.

MUSIC 11. HISTORY OF MUSIC — General history of music to 1700; operas and oratorios to the present. For music students only.

Credit: 2 hours. One semester.

MUSIC 12. HISTORY OF MUSIC — Instrumental music and solo song from 1700 to the present. For music students only.

Prerequisite: Music 11.

Credit: 5 hours. One semester.

MUSIC 13-14. VIOLIN CLASS METHODS — A class in elementary violin playing as a practical introduction to the technical problems involved in the playing of stringed instruments; the study of methods of class teaching.

Two hours per week.

Credit: 2 hours per semester.

MUSIC 15-16. VIOLIN CLASS METHODS — A continuation of Music 13-14.

Two hours per week.

Credit: 2 hours per semester.

MUSIC 17-18. BRASS INSTRUMENT. A class in trumpet or cornet playing as a practical introduction to the technical problems involved in the playing of brass instruments and the study of methods of class teaching.

Two hours per week.

Credit: 2 hours per semester.

MUSIC 19-20. BRASS CLASS METHODS. A class in brass instruments as a continuation of Music 17-18. The instruments taught include melophone, French horn, trombone, baritone, and tuba.

Two hours per week.

Credit: 2 hours per semester.

MUSIC 21-22. THE JUNIOR COLLEGE LITTLE SYMPHONY — Open to any qualified student in the Junior College. Works and plays symphonies of Bach, Haydn, Mozart, Beethoven, and other composers. Programs given during the school year afford opportunity for advanced students to appear as soloists.

Two hours per week.

Credit: 1 hour per semester.

NATURAL SCIENCES

A. Biological Sciences

BOTANY

BOTANY 1. GENERAL BOTANY — A course planned to give a foundation of botany for advanced work. A study of the properties and activities of protoplasm, development history, evolution of structure and function, relation to environment and classification from the lowest to the highest forms.

Accepted as part credit for pre-medical students.

Credit: 5 hours. One semester.

BOTANY 2. A continuation of the work of the first semester of college botany. A study of the morphology, ecology and physiology of the lowest groups of plants.

Prerequisite: Botany 1.

Credit: 5 hours. One semester.

PHYSIOLOGY AND HYGIENE

PHYSIOLOGY AND HYGIENE — Lectures, demonstrations, and discussions on the general aspects of human anatomy and physiology. Illustrated by skeletons, manikins, anatomical models, histological preparations and demonstrative dissection of domestic animals. The amount of hygiene the equivalent to that given in the ordinary two semester hour college course.

Open to freshmen.

Credit: 5 hours. One semester.

ZOOLOGY

ZOOLOGY 1. GENERAL ZOOLOGY — A general introduction to the field of zoology, covering on a broad basis the fundamental principles of the subject, a study of the various groups of animals, their anatomy and

physiology, together with significant examples. Emphasis also on the fundamentals of embryology, ecology, and paleontology, which not only lay a background of interest for the understanding of the human body and man's place in Nature for the layman, but supplies the groundwork for the pre-medical student and for those desiring to continue on into advanced work in this branch of science.

Credit: 5 hours. One semester.

ZOOLOGY 2. COMPARATIVE ANATOMY OF THE VERTEBRATES — A course designed for students in medicine, physical education and biology. Lecture, collateral reading, and laboratory dissections.

Prerequisite: Zoology 1.

Credit: 5 hours. One semester.

ZOOLOGY 3. VERTEBRATE EMBRYOLOGY — Study of stages in early development of pig and chick. Required for zoology majors and pre-medical students. Lectures and laboratory work.

Prerequisites: Zoology 1 and Zoology 2.

Credit: 5 hours. One semester.

B. Physical Sciences

ASTRONOMY

DESCRIPTIVE ASTRONOMY — An elementary course of lectures and laboratory exercises dealing with the earth as an astronomical body, the solar system, and recent investigations in solar research and in stellar astronomy. Directed reading of recent literature in these fields. Some evening meetings for constellation study and telescopic observation. Credit for attendance at lectures at the Adler Planetarium of Chicago.

Credit: 3 hours. One semester.

CHEMISTRY

CHEMISTRY 1-2. GENERAL INORGANIC CHEMISTRY — A thorough fundamental course in the chemistry of metals and non-metals. Lectures, recitations, and laboratory work.

Credit: 5 hours per semester.

CHEMISTRY 3-4. QUALITATIVE ANALYSIS — Ionization, mass action, properties of solutions of electrolytes, oxidation, reduction, etc. Numerous problems dealing with these topics. Preliminary experiments with the metallic ions, involving the principles of equilibrium. Analysis of alloys and simple minerals in the laboratory during the second semester. Ability to handle logarithms and quadratics essential.

Prerequisite: Chemistry 1-2 or the equivalent.

Credit: 4 hours per semester.

CHEMISTRY 5. QUANTITATIVE ANALYSIS — (a) Gravimetric analysis: Determination of chloride and sulphur and complete analysis of limestone. (b) Volumetric analysis: Acidimetry, alkalinity, volumetric

chloride, also permanganate and dichromate methods. (c) Electrolytic analysis.

Prerequisite: Chemistry 3-4.

Credit: 5 hours. One semester.

CHEMISTRY 6. ORGANIC CHEMISTRY — A study of the aliphatic compounds and their derivatives and some aromatic compounds. General methods of formation and relations between types of compounds emphasized. Covers the work of the first semester of a comprehensive year course and meets the needs of pre-medical students.

Prerequisite: Chemistry 3-4.

Credit: 5 hours. One semester.

CHEMISTRY 7. GENERAL INDUSTRIAL CHEMISTRY — A recommended additional course for engineers. Deals with metals, alloys, corrosion problems, etc.

Prerequisite: Chemistry 1-2 or the equivalent.

Credit: 5 hours. One semester.

CHEMISTRY 8. ELEMENTARY ORGANIC CHEMISTRY — Beginning course in organic chemistry especially for students in home economics, agriculture, forestry and pre-veterinary curriculums.

Prerequisite: Chemistry 1.

Credit: 3 hours. One semester.

NOTE: High school chemistry of college grade, if passed with at least a grade of *B*, is accepted for college credit. This is possible only if, as before stated in this bulletin, high school chemistry is not offered for entrance credit.

CONSERVATION

CONSERVATION — A course dealing with the conservation of soil, forests, wild life, water, coal, oil, etc. Lectures by specialists in each specific phase of conservation. Approximately one-third of course time devoted to field studies.

Credit: 3 hours. One semester.

GEOGRAPHY

GEOGRAPHY 1. NORTH AMERICA — A study of land forms, natural resources and population patterns of the continent with emphasis on United States.

Credit: 3 hours. One semester.

GEOGRAPHY 2. ECONOMIC GEOGRAPHY — The characteristics and distribution of man's economic activities, their relation to resources, and their significance in world trade.

Credit: 3 hours. One semester.

GEOGRAPHY 3. ELEMENTS OF GEOGRAPHY — An introductory geography course covering the factors of the natural environment including climate, soils, natural vegetation, land forms, and natural resources as related to the cultural landscape.

Credit: 3 hours. One semester.

GEOGRAPHY 4. INTRODUCTORY ECONOMIC GEOGRAPHY — A survey of man's economic activities with relation to the natural environment, developed through the study of world geographic patterns.

Credit: 3 hours. One semester.

GEOGRAPHY 5. FIELD GEOGRAPHY — Methods and techniques of field investigation; reconnaissance and field reports of local area.

Credit: 2 hours. One semester.

GEOLOGY

GEOLOGY 1. PRINCIPLES OF PHYSICAL GEOLOGY — Emphasis is placed on the agencies of rock weathering, erosion, transportation and deposition, and on glaciation as it affects our local topography. A lecture course supplemented with visual materials.

Credit: 3 hours. One semester.

GEOLOGY 2. PRINCIPLES OF PHYSICAL GEOLOGY — A continuation of Geology 1, with emphasis placed upon topographic map studies, soil conservation and local field trips.

Credit: 2 hours. One semester.

GEOLOGY 3. PETROLOGY AND MINEROLOGY — A study of the materials of the earth's crust and their local economic importance. A laboratory and lecture course stressing the identification of rocks and minerals.

Prerequisite: Either Geology 1 or 2, or one semester of college chemistry.

Credit: 2 hours. One semester.

MINEROLOGY 4. A cultural course designed to teach the essentials of mineral identification, their geographic distribution, their conservation and their economic importance in a modern world.

Credit: 3 hours. One semester.

PETROLOGY 5. A corollary course to Mineralogy, designed to acquaint the student with "Common and Typical Rock" identification and classification, their economic importance, and their function in the formation of soils.

Credit: 3 hours. One semester.

PHOTOGRAPHY

PHOTOGRAPHY 1. An introductory study in the fundamental principles of general and press photography. It includes the use of different cameras and their accessories; the technique of exposure, development,

and printing processes. Composition, toning, oil coloring, copying, processing of color transparencies, and their control methods will be presented. Two days each week.

Credit: 2 hours. One semester.

PHYSICS

PHYSICS 1. MECHANICS, MOLECULAR PHYSICS AND HEAT — Lectures, classroom demonstrations, and written exercises. Primarily for students of engineering, science, and medicine. Three days each week.

Laboratory experiments, problems and quizzes on the above class work. Two days each week.

Prerequisite: Math. 2, Math. 3, and high school physics.

Credit: 5 hours. One semester.

PHYSICS 2. ELECTRICITY, SOUND AND LIGHT — A continuation of Physics 1. Three days each week.

Laboratory experiments, problems and quizzes on the above class work. Two days each week.

Prerequisite: Physics 1.

Credit: 5 hours. One semester.

ORIENTATION

ORIENTATION — A course designed to help the student adjust himself to college life and to help him make vocational and educational choices in terms of interest, capacity, and ability.

Credit: 1 hour. One semester.

PHYSICAL EDUCATION

PHYSICAL EDUCATION FOR MEN

PHYSICAL EDUCATION 1-2 — Class work dependent on the interests of students choosing the course. Work given in calisthenics, mass games, apparatus, tumbling, pyramids, and fundamentals in baseball, basketball, and track.

NOTE: Members of the varsity athletic teams may be excused from gymnastic work during the season they are playing.

Credit: 1 hour per semester.

PHYSICAL EDUCATION 3-4 — A continuation of Physical Education 1-2.

Credit: 1 hour per semester.

PHYSICAL EDUCATION FOR WOMEN

PHYSICAL EDUCATION 1-2 — Twenty-seven hours of actual participation in at least three of the following activities: ballroom dancing, baseball, basketball, bowling, co-recreation sports, fencing, golf, hockey, riding, swimming, tap dancing, tennis, Orchesis.

Credit: 1 hour per semester.

PHYSICAL EDUCATION 3-4 — A continuation of Physical Education 1-2.

Credit: 1 hour per semester.



STUDENTS OF BUSINESS LAW "TAKE OVER" THE LOCAL COURT FOR A DAY

PSYCHOLOGY

PSYCHOLOGY 1. GENERAL PSYCHOLOGY — A study of the fundamental aspects of mental activity. Course planned to acquaint the student with the facts, principles, methods and general theories of adult human psychology. Lectures, readings, discussions, and simple laboratory experiments.

Prerequisite: One year of college work. Not open to those who have had educational psychology.

Credit: 4 hours. One semester.

PSYCHOLOGY 2. EDUCATIONAL PSYCHOLOGY — A general treatment of the fundamental questions of mental life with special emphasis upon the application of psychological principles to the science and art of teaching. Lectures, readings and simple laboratory experiments.

Prerequisite: Psychology 1.

Credit: 3 hours. One semester.

PSYCHOLOGY 3. PSYCHOLOGY IN USE — Application of the basic principles of general psychology to such every day problems as safety, education, case work, and the personnel problems of business and industry.

Prerequisite: Psychology 1.

Credit: 3 hours. One semester.

SOCIAL STUDIES

BUSINESS LAW

BUSINESS LAW 1. A general survey of law, followed by a study of contracts, law of negotiable instruments, the law of sales, bailments, and insurance.

Credit: 3 hours. One semester.

BUSINESS LAW 2. Continuation of Business Law 1. Partnerships, corporations, real property, wills, and bankruptcy.

Prerequisite: Business Law 1.

Credit: 3 hours. One semester.

ECONOMICS

ECONOMICS 1. ECONOMIC HISTORY OF THE UNITED STATES—A survey of the developments of the agricultural, industrial, and commercial life in the United States. A study of the methods of production, the economic institutions, and the interaction taking place between industry, commerce, agriculture, and the government.

Credit: 3 hours. One semester.

ECONOMICS 2. INTRODUCTION TO BUSINESS — Survey of principles and practices from the point of view of the business manager. A general view of business organization, management, labor problems, marketing costs and price policies.

Credit: 3 hours. One semester.

ECONOMICS 3. PRINCIPLES OF ECONOMICS — A general introductory course concerned with a study of the principles underlying the economic system, with emphasis on problems and principles of production, exchange, and consumption.

Credit: 3 hours. One semester.

ECONOMICS 4. PRINCIPLES OF ECONOMICS — A continuation of Economics 3, with emphasis on distribution and the problems of applied economics, including government, industry, labor problems, public utilities, taxation, the economic aspects of American agriculture, reform of the economic system, etc. Emphasis on the practical application of economic principles.

Prerequisite: Economics 3.

Credit: 3 hours. One semester.

ECONOMICS 5. ELEMENTARY BUSINESS STATISTICS — Methods of collection, presentation, and interpretation of quantitative economic data: averages, dispersion, index numbers, time series analysis and simple correlation.

Prerequisite: Economics 3.

Credit: 3 hours. One semester.

HISTORY

HISTORY 1-2. ENGLISH HISTORY — A general course in English history from pre-historic times until the present. Evolving culture patterns stressed rather than conspicuous occurrences.

Credit: 3 hours per semester.

HISTORY 3. HISTORY OF THE UNITED STATES TO 1865 — Colonial foundations, movement for independence, early years of the republic.

Prerequisite: Sophomore standing.

Credit: 3 hours. One semester.

HISTORY 4. HISTORY OF THE UNITED STATES, 1865 TO 1949 — A century of national life and organization.

Prerequisite: Sophomore standing.

Credit: 3 hours. One semester.

HISTORY 5-6. HISTORY OF CIVILIZATION — A survey of the history of civilization from earliest times to the present. Course designed to make students familiar with the appearance and development of our present-day institutions and to give them a deeper appreciation of modern culture.

Credit: 4 hours per semester.

POLITICAL SCIENCE

POLITICAL SCIENCE 1. AMERICAN NATIONAL GOVERNMENT — A study of the national government of the United States. An examination of the fundamental principles of political science, followed by a study of the Constitution, of citizenship, its duties and privileges, and the structure and functioning of the national government.

Credit: 3 hours. One semester.

POLITICAL SCIENCE 2. AMERICAN STATE AND LOCAL GOVERNMENT — A study of American state and local government of the State of Illinois, Will County, the City of Joliet, and of other local governing units.

Credit: 3 hours. One semester.

SOCIAL SCIENCE

SOCIAL SCIENCE 1. Organization of the major social groups in which an individual in contemporary America finds himself; resources; social relations; institutions and institutional change; dominant contemporary issues.

Credit: 4 hours. One semester.

SOCIAL SCIENCE 2. Organization of the major social groups in which an individual in contemporary America finds himself; resources; social relations; institutions and institutional change; dominant contemporary issues.

Prerequisite: Social Science 1.

Credit: 4 hours. One semester.

SOCIOLOGY

INTRODUCTION TO SOCIOLOGY — A beginning course in sociology to acquaint the student with the terminology and processes of the sociologist. A study of evolution of social units, the relationship of geography to race population and society, social organization and its processes of change, control, and reorganization.

Prerequisite: Sophomore standing.

Credit: 3 hours. One semester.

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